



Integrate and Synchronize your CAD data with **eci** | M1<sup>®</sup>

### Overview

CADLink allows engineers to create M1 Item Master and BOM records identical to engineering CAD data with the click of a button. The direct integration reduces manual data entry and clerical errors. Production benefits from drawing information identical to work order documentation.

Increase the speed of data flow from sales to engineering, procurement, and manufacturing. Streamlining the entire product development process by integrating your CAD system and your M1 ERP solution gives you the edge in the competitive market. This eliminates all the burdens you face from having disparate systems, allowing engineers to focus on the designs and innovation.

Keeping your M1 engineering data accurate and synchronized with your engineering drawings and models is critical. With CADLink, you will see significant improvements in production speed, on-time shipments, and accuracy of M1 engineering data with reductions in engineering cost, scrapped parts, and shop floor confusions.



### Direct CAD Integration

Real-time, direct, two-way link between your CAD and your M1 ERP means no more exporting or importing of data files. Launch directly from the CAD suite of your choice. Interface for indented multi-level Bill of Materials and thumbnail preview image of the CAD part lets you know what you are looking at.



### Direct Integration to ECI M1

Assign essential M1 ERP fields such as Product Code, UOM, and Part Type using ERP drop-down menus in CADLink.



### Bi-directional Data Push

Bi-directional data push keeps your CAD and M1 ERP engineering data synchronized and up-to-date. Critical information such as part quantity and material selection will be kept consistent throughout your CAD and M1 ERP systems.



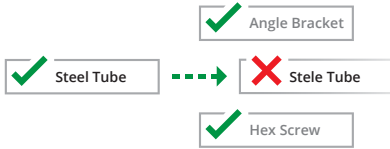
### Live Data Comparison

Live comparison lets you visually review BOM changes before committing to save. Create ERP Item and BOM records identical to your drawings in one click.

### Partners & Integrations

Work with CAD/PLM/PDM of your choice





## Discrepancy and Error Notification

Resolve discrepancies in the CADLink interface and automatically update both your CAD files and M1 ERP data. CADLink checks for critical errors and notifies the user before saving.

## Powerful Searches

Search your M1 ERP Item Master live and insert raw material items to your BOM. Search and insert non-CAD items to your M1 BOM to create a complete BOM; not just what you modeled.M1

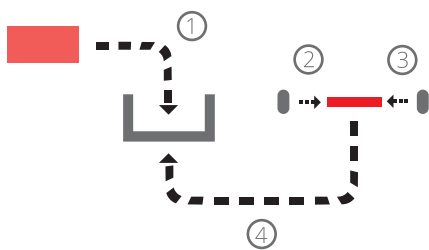
## Eliminates Duplicate Manual Data Entries

Single-step process eliminates duplicate manual data entries of engineering data.

No	See	Part Number	Revision	Part Description	Unit Qty	Item	Part Group	Part Class	Part Type	M1 Related Operation	M1 Part Number
1		TM00739	000	SM100 - S - M - ASSEMBLY	1	EA	Tooling	Hardware	Manufactured		
1.1		TM00745	000	SM100 - S - M - FRAME	0	1,000.00	EA	Automotive	Purchased		
1.2		TM00749	000	SM100 - S - M - BEARING PAD	0	8,000.00	EA	Tooling	Hardware	Purchased	
1.3		TM00740	000	SM100 - S - M - SIDE COVER	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.4		TM00742	000	SM100 - S - M - HINGE MALE	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.5		TM00762	000	SM100 - S - M - 250 - 2550	0	8,000.00	EA	Tooling	Sheet Metal	Purchased	
1.6		TM00755	000	SM100 - S - M - INSIDE COVER	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.7		TM00763	000	SM100 - S - M - NO CAMERA 34 SIDE PLATE	0	1,000.00	EA	Tooling	Hardware	Purchased	
1.8		TM00766	000	SM100 - S - M - NO CAMERA 12 SIDE PLATE	0	1,000.00	EA	Tooling	Hardware	Purchased	
1.9		TM00746	000	SM100 - S - M - CAMERA 34 SIDE PLATE	0	1,000.00	EA	Tooling	Hardware	Purchased	
1.10		TM00768	000	SM100 - S - M - CAMERA 12 SIDE PLATE	0	1,000.00	EA	Tooling	Hardware	Purchased	
1.11		TM00989	000	SM100 - S - M - CAMERA SIDE ASSEMBLY	0	4,000.00	EA	Automotive	Hardware	Manufactured	
1.11.1		TM00970	000	SM100 - M - CAMERA BRACKET BASE	10	1,000.00	EA	Automotive	Hardware	Purchased	
1.11.2		TM00969	000	SM100 - M - CAMERA BRACKET TOP	20	1,000.00	EA	Tooling	Manufactured		
1.11.3		DALSA CAMERA			0	1,000.00	EA	Automotive	Hardware	Purchased	
1.11.4		SD000044	000	CAMERA LOCK CLAMPING KNOB	0	1,000.00	EA	Automotive	Hardware	Purchased	
1.11.5		PV01159	001	W/SG - 01 - 06	10	4,000.00	EA	Tooling	Hardware	Purchased	000-258-0620
1.11.6		PV01157	001	W/SG - 08	0	2,000.00	EA	Tooling	Hardware	Purchased	
1.12		SD000082	000	Mounting Bracket for FA-240	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.13		SD000081	000	8" Stroke 200 lbs Force Linear Actuator	0	1,000.00	EA	Automotive	Hardware	Purchased	
1.14		TM00779	000	SLED 5 ASSEMBLY	0	15,000.00	EA	Automotive	Hardware	Manufactured	
1.14.1		SD000192	000	Cool White Rebel LEDs, 20mm, Tri-Star Coolbeam	0	1,000.00	EA	Automotive	Hardware	Purchased	
1.14.2		SD000158	000	Circle 22" Frosted Tri-LED Optic	0	1,000.00	EA	Automotive	Hardware	Purchased	
1.14.3		TM00559	000	SILED PLASTIC COVER	10	1,000.00	EA	Automotive	Hardware	Manufactured	105-ITEM D
1.14.4		TM00564	000	SILED BASE #5	10	1,000.00	EA	Automotive	Hardware	Purchased	
1.15		SD000095	000	SM100 - GAS SPRING	0	2,000.00	EA	Tooling	Hardware	Manufactured	
1.15.1		TM00751	000	GAS SPRING SIDE 2	20	1,000.00	EA	Automotive	Hardware	Purchased	
1.15.2		TM00752	000	GAS SPRING SIDE 1	0	1,000.00	EA	Automotive	Hardware	Purchased	
1.15.3		TM00759	000	GAS SPRING ROD	0	1,000.00	EA	Tooling	Hardware	Purchased	
1.16		TM00754	000	GAS STRUT STAND OFF	0	4,000.00	EA	Automotive	Hardware	Purchased	
1.17		TM00754	000	SM11 BALL STUD	0	4,000.00	EA	Tooling	Hardware	Purchased	105-ITEM6
1.18		TM00743	000	SM100 - S - M - HINGE FEMALE	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.19		TM00741	000	SM100 - S - M - HINGE SPACER	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.20		TM00744	000	SM100 - S - M - TOP COVER	0	2,000.00	EA	Tooling	Manufactured	0	105-ITEM6
1.21		TM00736	000	SM100 - S - M - BUSHING	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.22		TM00773	000	NAME PLATE	0	1,000.00	EA	Automotive	Hardware	Purchased	
1.23		TM00772	000	SM100 - S - M - BOTTOM COVER	0	2,000.00	EA	Automotive	Hardware	Purchased	
1.24		TM00769	000	SM100 - S - M - DOWEL PIN	0	2,000.00	EA	Automotive	Hardware	Purchased	

## Quick and Easy Routing Interface

CADLink offers a simple interface for creating and assigning ERP operations on your BOM.



## Powerful Visual Interface

CADLink offers an intuitive and highly visual interface to display data discrepancies. BOM quantity changes and updates are displayed in change summary tab.

## One-Click Summary Report



Easily generate PDF Bill of Material. Change summary report and export Bill of Material in an Excel file format to meet your documentation requirements.

## Color Coded Changes

Engineers can easily see the effects of changes to ERP and CAD data.

Green fields represent new parts that will be created in M1 ERP.

Yellow fields highlight data discrepancy between CAD and M1 ERP such as description or quantity.

Gray fields represent parts to be removed from your BOM.



## Small Footprint

CADLink offers an easy installation and setup, and small footprint with minimum client machine hardware and software requirement. CADLink installation requires no additional database or server components.



## About QBuild

Since 2002, we have provided superior service to our customers across the globe. Our many years of experience and commitment to excellence have earned us the reputation as the best CAD ERP integrator in North America.

## QBuild Service

At QBuild we believe in finding the right solution for our customers. We take the time to understand your unique needs and requirements. We put you in the driver's seat with direct access to our most experienced developers. This allows us to offer flexible, targeted customization solutions for your specific needs.